

AMENDMENTS TO THE CLAIMS

This listing will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A circuit arrangement with several inductively operating sensors, said circuit arrangement having:
switching means;
control means for said sensors; and
evaluating means for signals generated by said sensors as a response to said control means, wherein said control means and said evaluating means are electrically connected by said switching means to in each case one said sensor,
wherein precisely one switching means is provided per sensor, said switching means ~~comprise per sensor comprising~~ a single MOSFET with one low drain-source resistance ~~resistor~~ ~~per said sensor~~.
2. (Cancelled)
3. (Original) The circuit arrangement according to claim 1, wherein said circuit arrangement has resonant circuit capacitors, one said single resonant circuit capacitor being a first resonant circuit capacitor and being connectable by said switching means parallel to in each case all said sensors for producing a measuring frequency.
4. (Original) The circuit arrangement according to claim 3, wherein there is a second resonant circuit capacitor parallel to said first resonant circuit capacitor, and switches are provided in order to switch on and off said different resonant circuit capacitors.